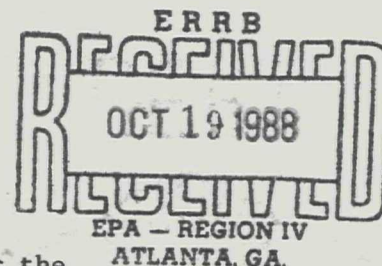




UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV
345 COURTLAND STREET
ATLANTA, GEORGIA 30365

Site: _____
Break: 3.8
Other: 10/10/88



Date:

Subject: Review of the Draft Project Operations Plan (POP) for the Remedial Investigation (RI) / Feasibility Study (FS) at the Medley Farm Site, Gaffney, South Carolina

From: Rich Muza, Hydrologist
Ground-Water Technology Unit

Rich Muza

To: Jon Bornholm, Project Manager
NC/SC Unit, Superfund Branch

Thru: Gail Vanderhoogt, Chief
Ground-Water Technology Unit

Gail Vanderhoogt

The subject POP has been reviewed as per your request of October 6, 1988. We find the report to be thorough and well prepared. We have no major problems with the POP but provide the following comments and recommendations to improve the quality of the data base to be acquired in the RI and to be used for development of the FS.

COMMENTS AND RECOMMENDATIONS ON THE DRAFT POP

1. Section 5.6.4 (page 57) - Should potable water be used as a drilling fluid during installation of the bedrock wells, it is recommended that samples of the water be collected for analysis. This recommendation also holds true for the sodium bentonite mud which may be necessary to stabilize the borehole and remove drill cuttings.
2. Section 5.6.4 (page 59) - It is recommended that a sample of the bentonite pellets to be used in well construction be tested for time of hydration prior to use in well installation. Aliquots of the potable water can be added to the bentonite pellets and the time of hydration can be recorded through visual inspection. After this test, the time to allow the bentonite to set prior to grouting will be known.
3. Section 5.7.6 (page 69) - Boreholes will be located in suspected disposal and storage areas to further investigate the vertical and horizontal extent of contaminant sources. As such, contaminated soils may be encountered in drilling the boreholes. Therefore, we recommend that cuttings from the boreholes are handled in a more cautious manner than that proposed here. We recommend that the same procedures proposed for the cuttings from monitor well pair MW-2 (see page 63 of the POP) should be followed for the cuttings from the boreholes.



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Hopefully, these comments and recommendations will be helpful in finalizing the Draft POP for the Medley Farm Site RI/FS. We would welcome the opportunity to review future reports documenting the findings of the proposed investigations at this site if requested to do so by you. Please feel free to contact me at x3866 if you should have any questions.